

Chapter 20

Interpret the Passive Monitoring MIB

The passive monitoring MIB, whose object identifier is {jnxMibs 19}, performs traffic flow monitoring and lawful interception of packets transiting between two routers. This MIB allows you to do the following:

- Gather and export detailed information about IPv4 traffic flows between source and destination nodes in your network.

- Sample all incoming IPv4 traffic on the monitoring interface and present the data in cflowd record format.

- Encrypt or tunnel outgoing cflowd records, intercepted IPv4 traffic, or both.

- Direct filtered traffic to different packet analyzers and present the data in its original format.

The passive monitoring MIB has three tables: jnxPMonFlowTable, JnxPMonErrorTable, and jnxPMonMemoryTable. jnxPMonFlowTable monitors and collects statistics on the flow of traffic on a Passive Monitoring PIC. jnxPMonErrorTable monitors and collects statistics on packet and memory errors on a Passive Monitoring PIC. jnxPMonMemoryTable monitors and collects statistics on memory usage on a Passive Monitoring PIC. For information about system requirements, see the *JUNOS Internet Software Feature Guide*. To view this MIB, see www.juniper.net/techpubs/software/junos55/swconfig55-net-mgmt/html/mib-jnx-pmon.txt. This chapter only documents the jnxPMonFlowTable.

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jnxPMonFlowTable

jnxPMonFlowTable has an object identifier of {jnxPMon 1}. Its entries are represented by JnxPMonFlowEntry, which contains the following objects:

Table 50: jnxPMonFlowEntryJ

Object	Object Identifier	Description
jnxPMonCurrentActiveFlows	jnxPMonFlowEntry 1	Monitors the number of currently active flows on a Passive Monitoring PIC.
jnxPMonTotalFlows	jnxPMonFlowEntry 2	Monitors the total flows on a Passive Monitoring PIC.

Object	Object Identifier	Description
jnxPMonTotalFlowsPackets	jnxPMonFlowEntry 3	Monitors the total packet flows on a Passive Monitoring PIC.
jnxPMonTenSecondAverageFlowPackets	jnxPMonFlowEntry 4	Monitors the number of packets in all flows in a 10-second average on a Passive Monitoring PIC.
jnxPMonTotalFlowsBytes	jnxPMonFlowEntry 5	Monitors the number of total of bytes in all flows on a Passive Monitoring PIC.
jnxPMonTenSecondAverageFlowBytes	jnxPMonFlowEntry 6	Monitors the number of bytes in all flows in a 10-second average on a Passive Monitoring PIC.
jnxPMonTotalFlowsExpired	jnxPMonFlowEntry 7	Monitors the number of total flows expired on a Passive Monitoring PIC.
jnxPMonTotalFlowsAged	jnxPMonFlowEntry 8	Monitors the number of total flows aged on a Passive Monitoring PIC.
jnxPMonTotalFlowsExported	jnxPMonFlowEntry 9	Monitors the number of total flows exported on a Passive Monitoring PIC.
jnxPMonTotalFlowsPacketsExported	jnxPMonFlowEntry 10	Monitors the number of total flow packets exported on a Passive Monitoring PIC.